

Claims 1, 2 and 6 have been amended in accordance with 37 C.F.R. 1.121 and clean copies of the amended claims are enclosed herewith. Marked up copies of Claims 1, 2 and 6 are included in this amendment.

Add new Claim 19 as follows herein after amended Claim 6.

1. (Amended) An elongated pump rod for use in a pump rod string for a downhole well pump, said pump rod including a generally cylindrical rod section extending over a major portion of the length of said pump rod, said pump rod including means formed thereon for coupling said pump rod to said pump rod string, and an elongated sleeve extending over said cylindrical rod section and secured in engagement therewith, said sleeve being formed of a wear resistant polymer material comprising one of high density polyethylene and ultra high density polyethylene.

91 2. (Amended) The pump rod set forth in Claim 1 wherein:  
the coefficient of friction of said sleeve with  
respect to a well tubing in which said pump rod is disposed is  
less than the material of said pump rod.

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(Amended) The pump rod set forth in Claim 1 wherein:  
the coefficient of thermal expansion of said sleeve  
is substantially the same as the coefficient of thermal  
expansion of alloy steel.

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18. An elongated pump rod for use in a pump rod string for a downhole well pump, said pump rod including a generally cylindrical rod section extending over a major portion of the length of said pump rod, said pump rod including means formed thereon for coupling said pump rod to said pump rod string, and an elongated seamless tubular sleeve extending over said cylindrical rod section and having a cylindrical exterior surface for engagement with the interior surface of a cylindrical well tubing, said sleeve having an inner diameter in a relaxed condition slightly less than the outer diameter of said cylindrical rod section and secured in forcible engagement therewith, said sleeve being formed of a wear resistant polymer material having a coefficient of friction with respect to said well tubing which is less than the material of said pump rod, and the material of said sleeve having a coefficient of thermal expansion which is substantially the same as the coefficient of thermal expansion of alloy steel.